

PPPPPPPPPPPPP AAAAAAAA SSSSSSSSSSS RRRRRRRRRRRR TTTTTTTTTTTTT LLL
PPPPPPPPPPPPP AAAAAAAA SSSSSSSSSSS RRRRRRRRRRRR TTTTTTTTTTTTT LLL
PPPPPPPPPPPPP AAAAAAAA SSSSSSSSSSS RRRRRRRRRRRR TTTTTTTTTTTTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
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PPPPPPPPPPPPP AAA AAA SSSSSSSSS RRRRRRRRRRRR TTT LLL
PPPPPPPPPPPPP AAA AAA SSSSSSSSS RRRRRRRRRRRR TTT LLL
PPP AAAAAAAAAAAA SSS RRR RRR TTT LLL
PPP AAAAAAAAAAAA SSS RRR RRR TTT LLL
PPP AAAAAAAAAAAA SSS RRR RRR TTT LLL
PPP AAA AAA SSSSSSSSSSS RRR RRR TTT LLL
PPP AAA AAA SSSSSSSSSSS RRR RRR TTT LLL
PPP AAA AAA SSSSSSSSSSS RRR RRR TTT LLL

FILEID**PASTIME

K 4

PAS
1-0

PPPPPPPP	AAAAAA	SSSSSSS	TTTTTTTTTT	IIIIII	MM	MM	EEEEEEEEE
PPPPPPPP	AAAAAA	SSSSSSS	TTTTTTTTTT	IIIIII	MM	MM	EEEEEEEEE
PP PP	AA AA	SS	TT	II	MMMM	MMMM	EE
PP PP	AA AA	SS	TT	II	MMMM	MMMM	EE
PP PP	AA AA	SS	TT	II	MM	MM	EE
PP PP	AA AA	SS	TT	II	MM	MM	EE
PPPPPPPP	AA AA	SSSSSS	TT	II	MM	MM	EEEEEEEEE
PPPPPPPP	AA AA	SSSSSS	TT	II	MM	MM	EEEEEEEEE
PP	AAAAAAAAAA	SS	TT	II	MM	MM	EE
PP	AAAAAAAAAA	SS	TT	II	MM	MM	EE
PP	AA AA	SS	TT	II	MM	MM	EE
PP	AA AA	SS	TT	II	MM	MM	EE
PP	AA AA	SSSSSSS	TT	IIIIII	MM	MM	EEEEEEEEE
PP	AA AA	SSSSSSS	TT	IIIIII	MM	MM	EEEEEEEEE

....
....

LL	IIIIII	SSSSSSS
LL	IIIIII	SSSSSSS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SSSSSS
LL	II	SSSSSS
LL	II	SS
LL	II	SS
LL	II	SS
LLLLLLLLL	IIIIII	SSSSSSS
LLLLLLLLL	IIIIII	SSSSSSS

PASSIME
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- Return system time

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(3) 75 PASSIME - Return system time

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; R
::

```
0000 1 .TITLE PAS$TIME - Return system time
0000 2 .IDENT /1-001/ ; File: PASTIME.MAR Edit: SBL1001
0000 3
0000 4
0000 5 ****
0000 6 :*
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0000 24 :*
0000 25 :*
0000 26 ****
0000 27 :
0000 28
0000 29 :++
0000 30 : FACILITY: Pascal Language Support
0000 31 :
0000 32 : ABSTRACT:
0000 33 :
0000 34 : This module contains PAS$TIME which returns the current system
0000 35 : time as an 11-character string by reference.
0000 36 :
0000 37 : ENVIRONMENT: Runs at any access mode, AST Reentrant
0000 38 :
0000 39 : AUTHOR: Steven B. Lionel, CREATION DATE: 6-Nov-1980
0000 40 :
0000 41 : MODIFIED BY:
0000 42 :
0000 43 : 1-001 - Original. SBL 6-Nov-1980
0000 44 :--
```

```
0000 46 .SBTTL DECLARATIONS
0000 47 :
0000 48 : LIBRARY MACRO CALLS:
0000 49 :
0000 50 : NONE
0000 51 :
0000 52 : EXTERNAL DECLARATIONS:
0000 53 :
0000 54 : .DSABL GBL ; Force all external symbols to be declared
0000 55 : .EXTRN SYSSASCTIM ; Convert binary time to ASCII string
0000 56 :
0000 57 : MACROS:
0000 58 :
0000 59 : NONE
0000 60 :
0000 61 : EQUATED SYMBOLS:
0000 62 :
0000 63 : NONE
0000 64 :
0000 65 : OWN STORAGE:
0000 66 :
0000 67 : NONE
0000 68 :
0000 69 : PSECT DECLARATIONS:
0000 70 :
00000000 71 : .PSECT _PASS$CODE PIC, USR, CON, REL, LCL, SHR, -
0000 72 : EXE, RD, NOWRT, LONG
0000 73 :
```

0000 75 .SBTTL PAS\$TIME - Return system time
0000 76 :++
0000 77 : FUNCTIONAL DESCRIPTION:
0000 78 :
0000 79 : This routine returns the current system time as hh:mm:ss.cc into
0000 80 : an 11 character string passed by reference
0000 81 :
0000 82 : CALLING SEQUENCE:
0000 83 :
0000 84 : CALL PAS\$TIME (Time_string.wt.r)
0000 85 :
0000 86 : FORMAL PARAMETERS:
0000 87 :
0000 88 : Time_string - 11-character string by reference
0000 89 :
0000 90 : IMPLICIT INPUTS:
0000 91 :
0000 92 : NONE
0000 93 :
0000 94 : IMPLICIT OUTPUTS:
0000 95 :
0000 96 : NONE
0000 97 :
0000 98 : ROUTINE VALUE:
0000 99 :
0000 100 : NONE
0000 101 :
0000 102 : SIDE EFFECTS:
0000 103 :
0000 104 : NONE
0000 105 :
0000 106 :--
0000 107 :
0000 108 .ENTRY PAS\$TIME, ^M<> ; Entry point
0002 109 :
04 AC DD 0002 110 PUSHL 4(AP) ; Address of string
0B DD 0005 111 PUSHL #11 ; Length of string
01 DD 0007 112 PUSHL #1 ; CVTFLG = 1 = Return time
7E D4 0009 113 CLRL -(SP) ; No TIMADR
F8 AD 7F 000B 114 PUSHAQ -8(FP) ; Address of TIMBUF descriptor
7E D4 000E 115 CLRL -(SP) ; No returned TIMLEN
00000000'GF 04 FB 0010 116 CALLS #4, G^SYSSASCTIM ; Get time
04 0017 117 RET ; Return
0018 118 :
0018 119 .END ; End of module PAS\$TIME

PASS TIME Symbol table

PASSTIME 00000000 RG 01
SYSSASCTIM ***** X 00

- Return system time

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16-SEP-1984 01:27:17 VAX/VMS Macro V04-00
6-SEP-1984 11:33:48 [PASRTL.SRC]PASTIME.MAR;1

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+-----+
! Psect synopsis !
+-----+

PSECT name

ABS 00000000 (0.) 00 (0.) NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
PASSCODE 00000018 (24.) 01 (1.) PIC USR CON REL LCL SHR EXE RD NOWRT NOVEC LONG

! Performance indicators !

Phase

Page faults	CPU Time	Elapsed Time
10	00:00:00.11	00:00:01.70
73	00:00:00.65	00:00:04.66
64	00:00:00.37	00:00:01.54
0	00:00:00.00	00:00:00.00
36	00:00:00.25	00:00:01.61
2	00:00:00.01	00:00:00.01
1	00:00:00.02	00:00:00.02
0	00:00:00.00	00:00:00.00
188	00:00:01.41	00:00:09.54

The working set limit was 750 pages.

1145 bytes (3 pages) of virtual memory were used to buffer the intermediate code.

There were 10 pages of symbol table space allocated to hold 2 non-local and 0 local symbols.

119 source lines were read in Pass 1, producing 11 object records in Pass 2.

0 pages of virtual memory were used to define 0 macros.

+-----
! Macro library statistics
+-----

Macro Library name

Macros defined

\$255\$DUA28:[SYSLIB]STARLET.MLB:2

0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS\$:PASTIME/OBJ=OBJ\$:PASTIME MSRC\$:PASTIME/UPDATE=(ENH\$:PASTIME)

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